IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PPLICANT: James R. Crawford

SERIAL NO.: 10/700,377

GROUP ART UNIT:

FILED:

November 3, 2003

EXAMINER:

FOR: "Bi-Directional Thruster Pig Apparatus and Method of Utilizing Same"

ATTORNEY DOCKET NO.: C03209US (71768.2C2)

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Enclosed is a form PTO/SB/08a. Copies of these references are enclosed.

Applicant respectfully submits that the application is in condition for allowance. A Notice of Allowance is hereby respectfully requested.

Should the Examiner feel that a telephone conference would advance the prosecution of this application, he is encouraged to contact the undersigned at the telephone number listed below.

Applicant respectfully petitions the Commissioner for any extension of time necessary to render this paper timely.

No fee is required to submit this form. However, if a fee is necessary, please charge any additional required fees to deposit Account No. 50-0694.

Respectfully submitted,

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this Law of February, 2004.

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First Named Inventor James R. Crawford Art Unit Examiner Name

C03209US (71768.2C2) Attorney Docket Number Sheet **U. S. PATENT DOCUMENTS** Cite No.1 Publication Date Examine **Document Number** Name of Patentee or Pages, Columns, Lines, Where Initials Applicant of Cited Document Relevant Passages or Relevant Number-Kind Code² (# known) Figures Appear ^{US-} 712,486 11-04-1902 Black ^{US-} 712,487 Black 11-04-1902 US- 712,488 11-04-1902 Black ^{US-} 712,901 11-04-1902 Black ^{US-} 879,822 02-18-1908 Karns US- 1,281,756 10-15-1918 Black US- 1,801,294 04-21-1931 Sutton ^{US-} 1,913,365 06-13-1933 Bailey US- 2,887,118 05-19-1959 Loeffler et al. ^{US-} 3,056,155 10-02-1962 Harmes US-3,089,434 05-14-1963 Andreasen US- 3,379,027 Mowell et al. 04-23-1968 US- 3,402,777 09-24-1968 Watson US- 3,467,196 09-16-1969 Kinsman US- 3,495,546 02-17-1970 Brown et al. ^{US-} 3,525,401 08-25-1970 Hanson et al. ^{US-} 3,763,896 10-09-1973 Horne et al. ^{US-} 3,729,057 04-24-1973 Werner US- 3,827,487 4,073,302

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		0187599	07-16-1986	Wittrisch			
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Jackson et al.

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Application Number				
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Art Unit				
Examiner Name				
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